

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** January 19, 2006

**Inspector:** Diana Walden

**Location:** 345kV Underground Route

**Storm/**

**Rain Event:** Approximately 1.97" of precipitation fell mostly in the form of rain over 1/13-1/14 with another 1.10" on precipitation on 1/18 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	<ul style="list-style-type: none"> <li>- Trenching and pipe installation, continue in several locations off Rt. 7 in Wilton. A new storage/work area was noted across from Old Highway Rd. 1/4-1/19/06 Active trenching was noted near Cricket Lane. 1/19/06</li> <li>- Roadwork along Rt. 107, south of the Georgetown Deli was mostly complete. Repairs were being made to the driveway adjacent to the receiving pit. 1/19/06</li> <li>- The Horizontal Direction Drill at School Rd. had a number of improvements made to controls but overall use of the basin still needs to be monitored. 1/19/06 The bore has reached the exit point across the river. 1/19/06</li> <li>- Dewatering has ceased at the Georgetown Deli J&amp;B and both sides have been backfilled. 1/19/06</li> </ul>	<ul style="list-style-type: none"> <li>-Continue providing good "house- keeping" along the roadways. See additional sections for more information. 12/1-1/19/06</li> <li>-A large amount of backfill was present at the time but would be returned to the trench. 1/19/06</li> <li>-The area was well restored but some of the catch basins here could use controls. See other sections for more information 1/19/06</li> <li>-Turbid water as a result of drilling is being addressed to some degree but needs continued monitoring. There is a large amount of exposed surfaces which makes control difficult. See additional sections for more details. 12/8-1/19/06</li> <li>- This area has been well restored. See additional sections for more details. 1/19/06</li> </ul>
	- The silt fence at the old high	- Stone and haybales

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment (E&S) Controls	school J&B site was repaired as recommended and is in good shape. 1/19/06	remaining on the outlet slope will still need to be removed for final stabilization. 1/19/06
continued	-At this point, sediment accumulation in the stream is difficult to distinguish. It is probably best left alone. In the future, any observable sedimentation should be removed immediately. 1/19/06	-The remaining instream controls will need to be removed once the slope has been restored. 1/19/06
Route 7		
HDD	<p>- At the HDD, we observed drill mud actively being pumped to the basin. The water is pumped back to the tanks for reuse and an excavator was removing accumulated mud. 1/19/06</p> <p>The use of the basin for this purpose is still something of a concern in the instance there is significant rainfall. 1/4-1/19/06</p> <p>-Silt fence was extended to the west of the basin and is well installed. 1/19/06.</p> <p>- The E&amp;S controls near the basin are still keeping the majority of turbid water out of the wetlands, even after a rain event. 1/19/06</p> <p>-Additional controls including haybales were installed along the eastern silt fence. 1/19/06</p> <p>- Silt fence was restored below the baker tank and is better containing water from drill cuttings. 1/19/06</p> <p>-A large amount of disturbed soil remains on site. While external controls are good, more stabilization here will lead to less issues with run-off. 1/19/06</p>	<p>-Controls on site have been noticeably improved. Continue to maintain them and stay on top of sediment issues. 1/19/06.</p> <p>- Have a back up plan for water and sediment containment in the instance a significant storm is predicted. 1/19/06</p> <p>-None at this time. Continue to watch and maintain. 1/19/06</p> <p>- None at this time. Continue to watch and maintain. 1/19/06</p> <p>-Continue to watch and maintain. Reduce overall disturbed surfaces that cause the turbidity. 1/19/06</p> <p>- Continue to watch and maintain. 1/19/06</p> <p>- Consider stabilization measures for equipment and regrade/mulch areas whenever feasible. 1/19/06</p>
	- The storage area near #848	- Continue to monitor activity

Areas of Inspection	Observation	Recommended Action
<b>Route 7 continued</b>	<p>(Rt.7) is still highly utilized and conditions were muddy. 1/4-1/19/06</p> <ul style="list-style-type: none"> <li>- Trenching was ongoing along Rt. 7. Soil was stockpiled along the edge but should be gone by the end of the day. 1/19/06</li> <li>- Efforts to protect catch basins were noted here. 1/19/06</li> <li>- The small work area across from Old Highway had silt fence up and mulch on the slope. Some housekeeping needs were noted here though.</li> </ul>	<p>in here. Watch placement of project materials in the vicinity of this roadside swale. 12/8-1/19/06</p> <ul style="list-style-type: none"> <li>-None at this time. Control stockpiles if they will remain more than a day 1/19/06</li> <li>-Make sure any basins in the vicinity that would receive run-off are controlled. 1/19/06</li> <li>-Some pails and containers were left behind and should be disposed of. 1/19/06</li> </ul>
<b>Rt. 107 Daywork</b>	<ul style="list-style-type: none"> <li>- The J&amp;B operation at the Georgetown Deli is complete and both pits were backfilled. The slopes were restored very well and erosion controls were in place. The bank had been placed with boulders. 1/19/06</li> <li>-Dewatering has ceased and tanks were being demobilized. 1/19/06</li> <li>- Place controls in the catch basins adjacent to the driveway repair work here. 1/19/06</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor and maintain controls adjacent to the stream . Conditions are good at this time. 1/19/06</li> <li>-Remove silt fence and riprap outlet when moving out of the site. 1/19/06</li> </ul>
<b>Umpawaug Rd.</b>	<ul style="list-style-type: none"> <li>- Trench work/pipe installation was complete on the slope above the Norwalk River. Erosion controls were well in place along the slope and redevelopment lot. The slope was well restored with mulch. 1/19/06</li> <li>-Active trenching is not occurring at this time. A stockpile and small storage yard remain in place.</li> </ul>	<ul style="list-style-type: none"> <li>-Continue to monitor controls. The work here went very smoothly considering the proximity of the river. One section of silt fence at the parking lot needed repair. The area below the slope could use some additional restoration. 1/19/06</li> <li>-None at this time but the controls should be repaired <b>IF</b> active work returns here. 1/4-1/19/06</li> </ul>

Areas of Inspection	Observation	Recommended Action
	Remember to restore this area when feasible. 1/19/05	
Adjacent Wetlands and Waterways  continued	<p>-At the jack and bore near Allens Meadow Park, the remaining accumulated sediment was difficult to distinguish any longer. In the future, remove any buildup immediately. The outlet slope will need final restoration. 1/19/06</p> <p>-The stream at the Georgetown Deli jack was running clear and dewatering has ceased. All adjacent areas are well controlled. 1/19/06</p> <p>- Bubbling (now running clear), apparently from a ground fracture, was noted in the wetlands beyond the HDD site. 12/14-1/19/06</p> <p>- Wetlands directly to the east of the basin will have to be evaluated after the work is complete. 1/19/06</p>	<p>-It is probably best to leave the stream alone at this point. Plan to remove stone and haybales and instream controls for final restoration. 1/19/06</p> <p>- The riprap outlet will need to be removed and the slope restored 1/19/06</p> <p>- Contractors were to continue to watch this spot carefully. Continue to monitor the river for any issues with drilling mud. 1/4-1/19/06</p> <p>-Reducing sources of turbidity on site will likely help with this issue. 1/19/06</p>
Staging, Storage, and Parking Areas	<p>- The equipment storage yard on the property south of the Rt. 7 &amp; 107 intersection was muddy but vehicles were contained. 1/19/06</p> <p>- Take care with materials or disturbance too close to the swale by Rt.7. 1/19/06</p> <p>- The landowner expressed concerns to the inspector about picking up coffee cups and other litter. 1/12-1/19/06</p> <p>-Improvements were made at the HDD site. Plastic was installed under the fuel tank on site as well as under machinery with a noted leak. 1/19/06</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind or out overnight. 1/19/06</p> <p>-Practice good housekeeping. 1/12-1/19/06</p> <p>-Continue to monitor and maintain and determine how to further stabilize the area. 1/19/06</p>

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> <li>- The racquet club storage yard has been very active with a lot of materials. Make sure inlets here are protected. 10/27-1/19/06</li> <li>-The small storage area noted across from Old Highway Rd. had some pails and containers left out. 1/19/06</li> </ul>	<ul style="list-style-type: none"> <li>- Keep within the limits of the yard and don't encroach into the brush. 10/27-1/19/06</li> <li>- Be sure to pick up and contain all materials by the end of a work day and dispose of litter. 1/4-1/19/06</li> </ul>
Soils	<ul style="list-style-type: none"> <li>- Most soils on roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal.</li> <li>- Work at the Norwalk River on Rt. 107 is complete and soils are cleaned up. 1/19/06</li> <li>- Mud is being excavated from the HDD basin and transported to Danbury as a partial solution to the turbidity issues here. 12/14-1/19/06</li> </ul>	<ul style="list-style-type: none"> <li>- Soils appear to be handled appropriately. 1/19/06</li> <li>- None at this time. 1/19/06</li> <li>- Some excavation may have been performed but it will need to continue. 12/14-1/19/06</li> </ul>
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> <li>- No species of concern are located in this area of construction.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>-Snow cover/frozen ground is now a factor in restoration/stabilization attempts. 12/8-1/19/06</li> <li>- Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-1/19/06</li> </ul>	<ul style="list-style-type: none"> <li>- Attend to disturbed areas as feasible in the appropriate time frames. 11/10-1/19/06</li> <li>-Repair erosion in these areas in the spring when the area can stabilize. 1/19/06</li> </ul>
Dewatering	<ul style="list-style-type: none"> <li>-The frac tanks at the Georgetown Deli are being demobilized as dewatering is complete. Millions of gallons of water were cycled since the start of the project. 12/1-1/19/06</li> </ul>	<ul style="list-style-type: none"> <li>-The operation here went well considering the proximity of the stream and the amount of water. 1/19/06</li> </ul>
Blasting	<ul style="list-style-type: none"> <li>- No blasting is occurring on site at this time.</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time.</li> </ul>
Spills and Material Storage	<ul style="list-style-type: none"> <li>- The turbid washwater and sediment containment issues at</li> </ul>	<ul style="list-style-type: none"> <li>- The basin is being excavated of mud but larger</li> </ul>

Areas of Inspection	Observation	Recommended Action
	<p>the HDD are mostly addressed but a larger contingency plan should be considered if a significant storm is predicted. 1/19/06</p> <p>- The issues at the re-fueling tank were addressed as plastic was installed. Plastic was also installed under a leaking piece of equipment. 1/19/06</p>	<p>stabilization/source control measures should be examined. 1/19/06</p> <p>-Continue to monitor and maintain plastic as needed. Dispose of properly at completion. 1/19/06</p>
Spills and Material Storage	<p>- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 1/19/06</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</p> <p>- Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>
Additional Observations	<p>- Address landowner concerns regarding picking up litter at the storage yard near the Rts. 7/107 intersection.</p>	

**Next likely scheduled inspection:**

Thursday, January 26, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden





**345kV (Georgetown Deli Jack and Bore):** Photo on the left shows the backfilled and restored slope on the bore pit side. Photo on the right shows the receiving pit side where the streambank was restored with boulders, similar to what was previously present. 1/19/06



Photo on the left shows the overview of the restored area around the Georgetown Deli now that the jack and bore is complete. Dewatering has ceased and tanks are being demobilized. Good restoration measures were placed. 1/19/06





**345kV (Rt. 107 work) Photo on the left shows the restoration of the driveway adjacent to the receiving pit work. Photo on the right shows the slope above the Norwalk River which had been well restored. The area below could use some restoration as well. 1/19/06**



**Photo on the left shows a close up of the slope and the erosion controls left in place above the river. This work was completed without incident. Photo on the right shows the silt fence in place along the redevelopment property to keep sediment off the site. One section of silt fence needs repair. 1/19/06**





345kV (HDD): View of the basin where muds were being actively pumped from the length of the bore. The water was being pumped from the basin and returned to the tanks for re-use. 1/19/06



Photo on the left shows where plastic was installed under the fuel tank to collect any drips or spills. The photo on the right shows plastic installed under equipment to contain a leak that was noted. 1/19/06





Photo on the left shows the additional haybales and controls installed to the east of the basin. Photo on the right shows the silt fence reinstalled around the baker tank to control turbid water associated with the drill cuttings. 1/19/06



Overview of the basin and yard. Good controls were installed but the area is still highly disturbed. 1/19/06





**345kV (Rt. 7):** Photo on the left shows a small storage area across from Old Highway Rd. Some general housekeeping was needed here. Photo on the right shows silt fence installed down the slope with mulch placed on the slope above the storage area. 1/19/06



Photo on the left shows the work area along Rt. 7, just off the roadway in the vicinity of Cricket Lane. Active trenching was ongoing here. Photo on the right shows attempts to protect catch basins in the area. 1/19/06